

B. Design

Question Booklet Version:

A

Qn. Booklet No:

25018

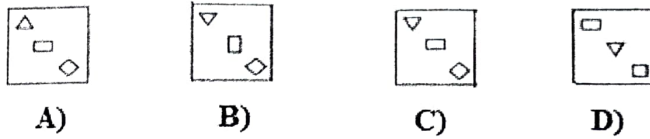
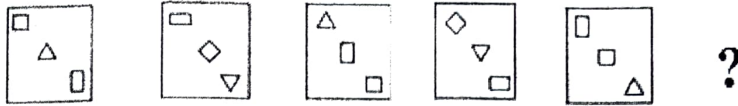
Roll Number:

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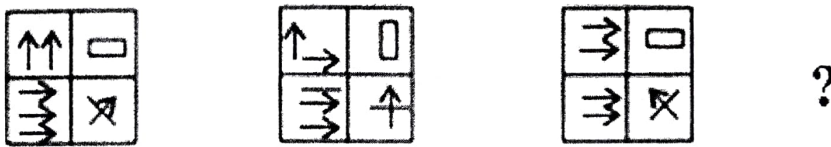
INSTRUCTIONS TO CANDIDATES

1. Fill in the OMR sheet carefully as per the instructions given on the back of the OMR Sheet / Admit Card. OMR sheet not correctly filled in will not be valued.
2. Write your Roll Number (all eight digits) and Version as **A** on the Question Booklet and on the left hand side of the OMR sheet (basic data part).
3. The examination consists of 100 Objective type multiple choice questions, which are to be answered in 100 minutes.
4. After opening the Question Booklet ensure that there are 100 Questions and that the printing of all the questions are legible. If there are any missing or illegibly printed questions, the matter may be reported to the Invigilator immediately.
5. There are 4 options (A, B, C & D) for each objective type question. Mark the most appropriate answer to each question by blackening fully the corresponding bubble in the OMR sheet with a black/blue ink ball point pen. **For every correct answer 1 mark will be awarded. No deduction of mark will be made for incorrect answer and unanswered questions.** Marking of more than one bubble against a question number in the OMR sheet shall be considered as an incorrect answer. Erasing, overwriting, partial marking, etc. shall also be treated as incorrect answer.
6. Rough work and calculations can be made in the blank pages attached to the question booklet. Watch, Calculator, Mobile phone, Electronic instruments etc. shall not be allowed in the examination hall.
7. The OMR Sheet and the Hall Ticket should be returned to the Invigilator. The Counterfoil of the Hall Ticket and Question Booklet of the OMR answer sheet can be retained by the candidate after the examination.
8. Answer keys will be published in the website www.lbscentre.kerala.gov.in after the examination. Complaints, if any, from the candidates regarding the questions, responses / probable answer may be sent to the **Email id lbscentre@gmail.com before 5.00 p.m. within three calendar days** from the date of publication of the answer keys. **Complaints not substantiated with supporting documents will not be considered.** However the decision of the experts regarding such complaints on the answer keys shall be final.
9. The Answer sheet of candidates who indulge in malpractice in any form shall not be valued.
10. The candidates will be allowed to leave the hall only after the completion of the examination time and after handing over the Answer sheet to the Invigilator.

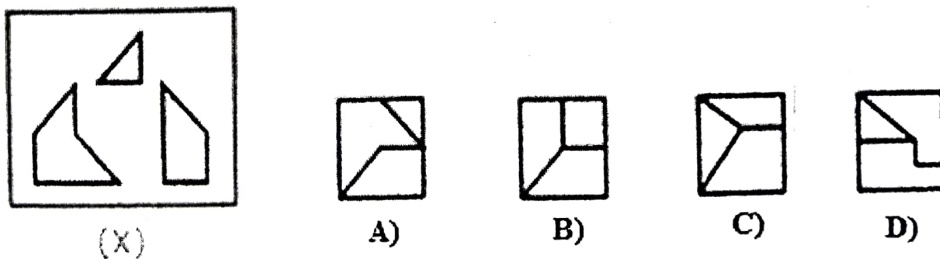
1. Identify the figure which will come next in the series:



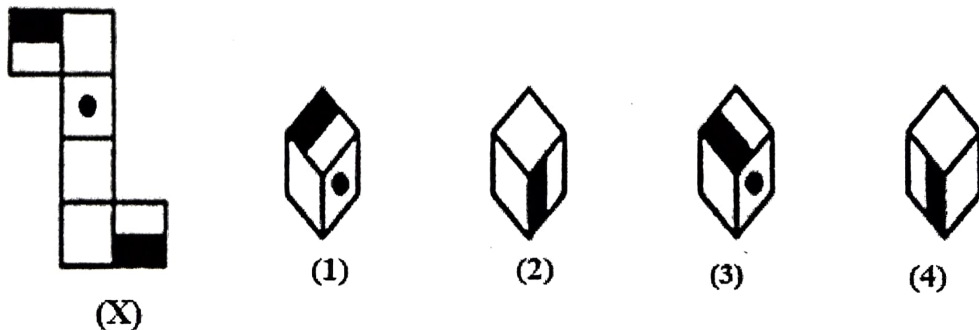
2. Identify the figure which will come next in the series:



3. Identify the figure that can be formed from the pieces given in figure (X)



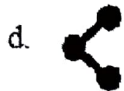
4. Choose the box that is similar to the box formed from the given sheet of paper (X)?



- A) 1 only B) 2 only C) 3 only D) 1, 2, 3 & 4

5. Match List I with List II:

List I



List II

1. Save

2. Share

3. Download

4. Report

A) a-3, b-1, c-4, d-2

B) a-2, b-1, c-4, d-3

C) a-3, b-4, c-1, d-2

D) a-4, b-3, c-2, d-1

6. Identify the alternative which closely resembles the water-image of the given combination:

NUCLEAR

BAEGCUI

A)

ИUCTEAB

B)

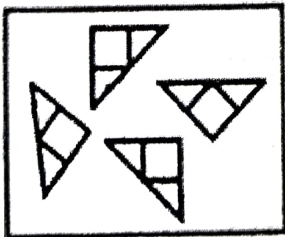
ИUCLGAB

C)

ИUCLGAB

D)

7. Identify the figure that can be formed from the pieces given in figure (X):



(X)



A)



B)

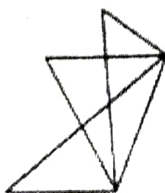


C)

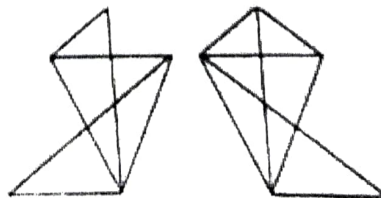


D)

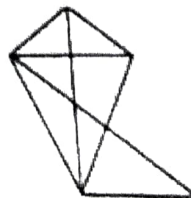
8. Identify the correct mirror image of the given problem figure (X)?



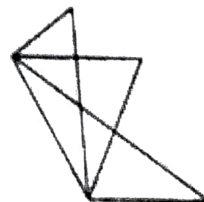
(X)



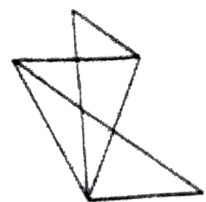
A)



B)



C)

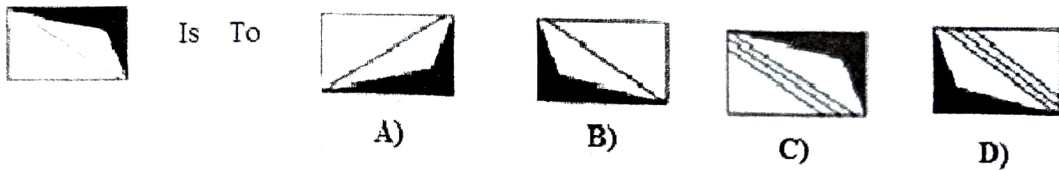
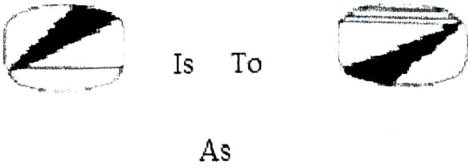


D)

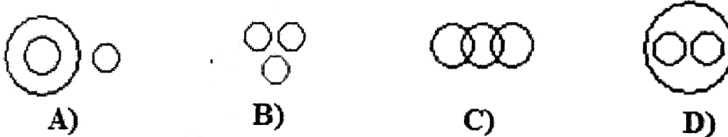
9. Which of the following is **not** an image format:

- A) JPEQ B) TIFF C) BMP D) WAV

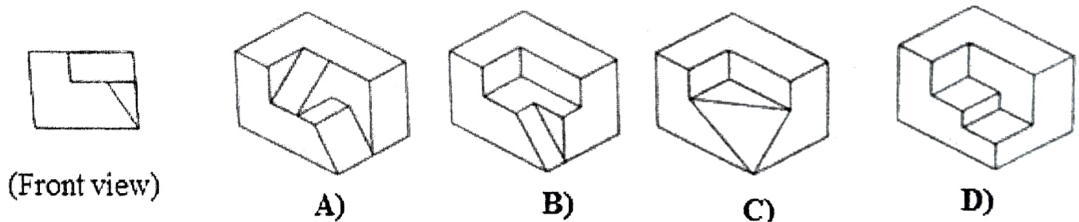
10. Which figure completes the statement?



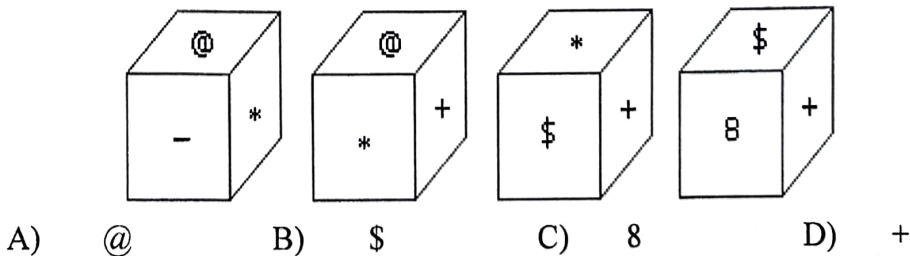
11. Which of the following diagrams indicates the best relation between Travelers, Train and Bus?



12. Identify the correct 3D figure from the answer figures (Front view is given):



13. Which symbol will be on the face opposite to the face with symbol * ?

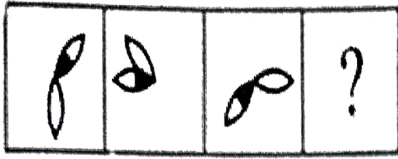


14. A hexagonal pyramid has ---- vertices.

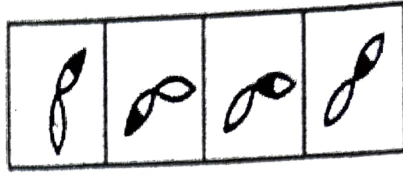
- A) 4 B) 5 C) 6 D) 7

15. Select the suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



Answer Figures:

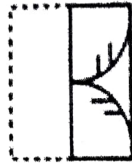


A) B) C) D)

16. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



(X)



A)



B)



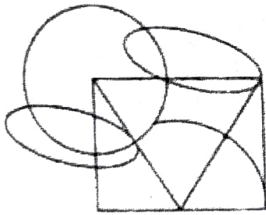
C)



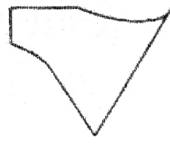
D)

17. One of the following answer figures is **not** hidden in the problem figure, in the same size and direction. Select that one as the correct answer.

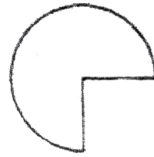
Problem Figure



Answer Figures



A)



B)

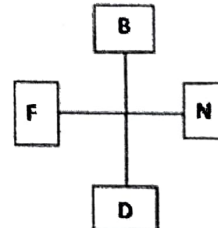
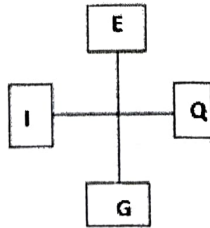
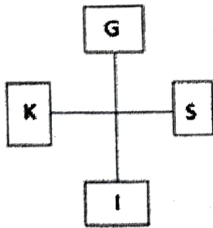


C)

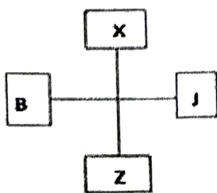


D)

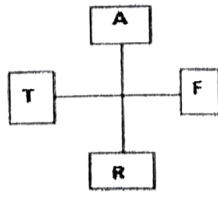
18. Identify the figure which will come next in the series:



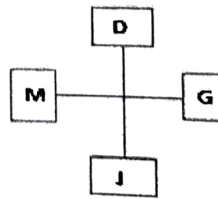
?



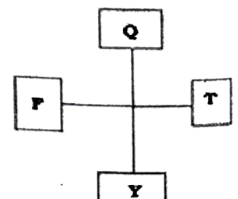
A)



B)



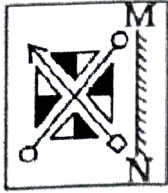
C)



D)

19. Identify the correct mirror image of the given question figure:

Question Figure : **Answer Figures**



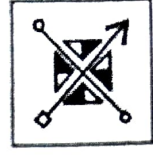
A)



B)



C)

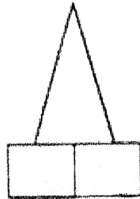
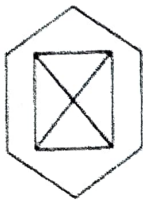


D)

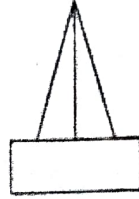
20. Problem figure shows top view of an object. Identify the correct elevation, from amongst the answer figures:

Problem Figure

Answer Figures



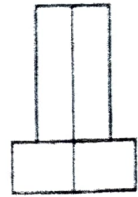
A)



B)

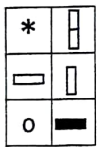


C)

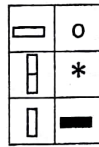


D)

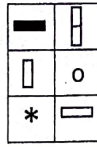
21. Among the following images find the odd one:



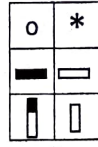
(1)



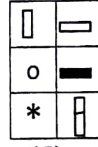
(2)



(3)



(4)



(5)

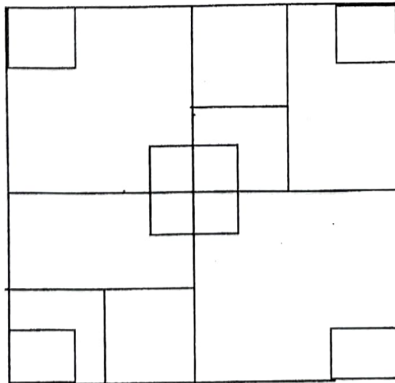
A) 3

B) 2

C) 4

D) 5

22. How many squares are shown in the figure given below?



A) 12

B) 17

C) 18

D) None of these

23. Asoka chakra in the Indian flag has ---- spokes.

A) 36

B) 24

C) 12

D) 20

24. The figure formed by folding the figure -I is:

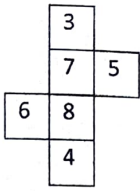
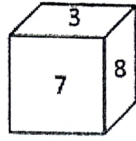
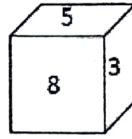


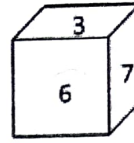
Figure- I



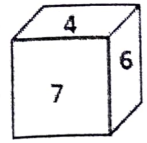
A)



B)

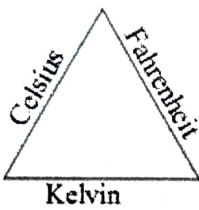


C)

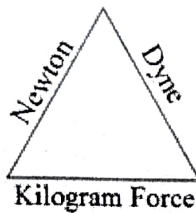


D)

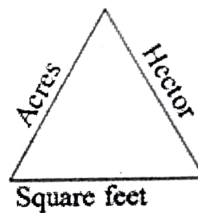
25. Find the odd one:



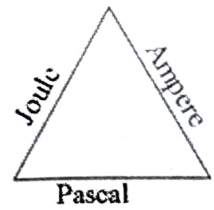
A)



B)



C)



D)

26. Identify the mismatch:

A) Charminar



B) Liberty Tower



C) Piza







D) Qutab Minar



27. Which of the following are applicable to programming graphics (pre-design phase) during design development process?

- | | |
|------------------------|-------------------|
| 1. Graphic worksheets | 2. Analysis cards |
| 3. Variety of matrices | 4. Bubble diagram |

A) 1 & 2 only B) 1, 2 & 3 only C) 2, 3 & 4 only D) 1 & 4 only

28. ---- is **not** a color in the Olympics logo.
 A) Blue B) Yellow C) Black D) Orange
29. Match List I with List II
- | List I (Company) | List II (Logo) |
|------------------|--|
| a. Meta | 1.  |
| b. Tesla | 2.  |
| c. Tata | 3.  |
| d. Mahindra | 4.  |
- A) a-1, b-4, c-2, d-3 B) a-3, b-4, c-2, d-1
 C) a-4, b-2, c-1, d-3 D) a-3, b-2, c-4, d-1
30. Who among the following is known as the 'Father of industrial design':
 A) Christopher Dressa B) Paul Rand
 C) Raymond Loewy D) William Morris
31. The first UNESCO City of Design in the world was:
 A) Berlin B) Jaipur C) Detroit D) Manchester
32. The 'World Design Day' is observed on:
 A) 21st April B) 27th April C) 7th June D) 17th June
33. India's tricolor National Flag was designed by:
 A) Rabindranath Tagore B) Pingali Venkayya
 C) Hem Chandra Kanungo D) Potti Sriramulu
34. Identify the brand tagline of Amul among the following:
 A) Swad zindagi ka B) Jithna Tasty, Uhna Healthy
 C) The taste of India D) Taste Bhi, Health Bhi
35. Who was the architect of the 'Gate way of India'?
 A) Edwin Lutyens B) George Wittet
 C) Le Corbusier D) Henry Hare
36. The 'Brahmos' missile is a joint venture of India and:
 A) France B) UK C) Israel D) Russia

37. The Indian manuscripts which entered UNESCO's 'Memory of the World Register' in April 2025:
- A) Rigveda and Bhagavat Gita
 B) Natyasastra and Sakunthalam
 C) Geetanjali and Rigveda
 D) Bhagavat Gita and Natyasastra
38. A Govt. of India initiative aimed at combating drug abuse:
- A) National Tobacco Control Programme (NTCP)
 B) Nasha Mukh Bharath Abhiyan
 C) NashaMukti Abhiyan
 D) Vimukthi Bharath
39. Present Vice president of USA who visited India recently:
- A) Kamala Harris B) J D Vance
 C) Chris Wright D) Dong Collins
40. The famous 'Lotus Mahal' is in:
- A) Jaipur, Rajasthan B) Gwalior, Madhya Pradesh
 C) New Delhi D) Hampi, Karnataka
41. The first satyagraha led by Gandhiji in India:
- A) Kheda Satyagraha B) Champaran Satyagraha
 C) Bardoli Satyagraha D) Ahmadabad Mill Satyagraha
42. Present Central Cabinet Minister for Commerce and Industry:
- A) J P Nadda B) Prahlad Joshi
 C) Dharmendra Pradhan D) Piyush Goyal
43. 'Wings of Fire' is the autobiography of:
- A) General Kariappa B) A P J Abdul Kalam
 C) Nelson Mandela D) Homi J Bhabha
44. The interest rate at which the Reserve Bank of India lends money to commercial banks is called:
- A) Repo rate B) Bank rate
 C) Reverse repo rate D) National interest rate
45. The tallest statue of B R Ambedkar called the 'Statue of social Justice' is in:
- A) Mumbai B) Vijyawada C) Nasik D) Indore
46. The first train in India with an outboard ATM facility:
- A) Panchavadi Express B) Rajadhani Express
 C) Himasagar Express D) Tejas Express

47. The 'QR Code' was invented by:
 A) Ray Tomlinson B) Masahiro Hara
 C) Charles Babbage D) Jack Kilby
48. Winner of Indian Super League 2024-25 Football League:
 A) Mohammedan Sporting FC
 B) Mumbai FC
 C) Bangalore FC
 D) Mohun Bagan Super Giant
49. The Malayalam film which won the award for the Best Feature Film in the 70th National Film Awards:
 A) Chayum Veil B) 2018- everyone is a Hero
 C) Aattom D) Saudi Vellakka
50. Who among the following known as the 'Father of artificial Intelligence'?
 A) Alan Turing B) John McCarthy
 C) Charles Babbage D) Jeff Bezos
51. The Article of the Constitution of India which provides for free and compulsory education for all children between 6 and 14 years of age?
 A) Article 19 B) Article 19 A C) Article 21 D) Article 21 A
52. How many Union Territories are there in India now?
 A) 6 B) 7 C) 8 D) 9
53. Deficiency of haemoglobin in the blood causes:
 A) Leukemia B) Leucoderma C) High BP D) Anaemia
54. The most abundant element in the crust of the Earth is:
 A) Aluminium B) Iron C) Silicon D) Oxygen
55. The UN General Assembly has declared ----- as the 'International Year of Quantum Science and Technology'.
 A) 2024 B) 2025 C) 2026 D) 2027
56. Faraday's Law is associated with:
 A) pressure on gases B) temperature and pressure
 C) electrolysis D) None of the above
57. NITI Aayog came into being on January:
 A) 2014 B) 2015 C) 2016 D) 2017
58. Lalgudi G Jayaraman is a master of:
 A) Veena B) Sitar C) Tabla D) Violin

59. Marthanda Varma defeated the Dutch in the battle of Colachel in:
 A) 1721 B) 1737 C) 1741 D) 1797
60. 'Villuvandi Samaram' of 1893 was lead by:
 A) Ayyankali B) Ayya Thycadu
 C) Vagbhatananda D) Sahodaran Ayyappan

Questions (61-65). Read the passage and choose the most appropriate option to answer the questions/fill in the blanks.

In parts of Kerala where heavy rains cause deadly mudslides, researchers have developed a cheap early-warning system using microdata. Each farmer measures the rainfall on his land and feeds the information into a local database far more granular than the national weather service can provide. From this, an NGO works out which villages are so sodden as to be perilously unstable, allowing precise and timely evacuation warnings.

61. The major benefit of the new system mentioned in the passage:
 A) It is cheap
 B) It uses microdata
 C) It has been developed by research
 D) It provides clear and early warning
62. The word 'granular' as used in the passage relates to:
 A) grain B) mud C) water D) information
63. 'NGO' refers to a:
 A) Non-gazetted officer B) Non-government organisation
 C) Non-government office D) Non-granular office
64. The national weather system sees the -----picture, but not the finer detail.
 A) small B) fine C) big D) bold
65. A spelling error in the passage:
 A) mudslides B) rainfell C) unstable D) evacuation

Questions (66-80). Choose the most appropriate of the options provided to answer the questions/fill in the blanks.

66. The expression 'yummy' refers to:
 A) A young mother B) A sister who takes care of siblings
 C) Delicious food D) Unpleasant smell
67. The house was -----quiet that day.
 A) unreasonably B) unusually
 C) seriously D) severely

68. The sentence, 'The boss is in good spirits' denotes that:
 A) The boss has had a couple of drinks.
 B) The boss is paying respects to ancestors.
 C) The boss is quite amiable.
 D) The boss is amenable to requests from religious leaders.
69. The groom and ----- are expected to cut the wedding cake.
 A) broom B) bride C) bridle D) broome
70. She is ----- this week.
 A) in come B) coming C) incoming D) come in
71. He is ----- tall to drive.
 A) too B) very C) almost D) enough
72. Do you want ----- stamps?
 A) some B) few C) ample D) no
73. The sentence 'Everybody hated the warden' could be reported as:
 A) The warden was everybody's hatred.
 B) Everybody was hated by the warden.
 C) The warden was hated by everybody.
 D) The warden hated everybody.
74. It took a lot of self-control to ----- hit him.
 A) evert B) not C) now D) event
75. She is -----old.
 A) twelve-years B) twelve-year C) twelve years D) twelve year
76. Pick the correctly spelt word:
 A) Cantankerous B) Rhinoceros
 C) Acciduos D) Centempories
77. Pick the part of the sentence which has an error, or pick 'D' if there is no error in it:
 The Spanish dictionary is totally different from Chinese.
 A) B) C) D) (No error)
78. The phrase 'bear with' denotes:
 A) to carry B) to be patient
 C) to exterminate D) to ensure
79. Pick the word that is spelt incorrectly:
 A) beckon B) reckon C) bagain D) sorely

80. Rearrange the words in the order of a logical sentence:
 expected will that it is to home their own most prefer people
 1 2 3 4 5 6 7 8 9 10 11 12
- A) 10 12 1 3 6 11 8 9 7 2 4 5
 B) 10 12 3 6 7 8 9 11 1 4 5 2
 C) 9 12 10 1 11 3 8 4 7 5 6 2
 D) 4 5 1 3 10 12 2 11 6 9 8 7
81. A person spends 20% of his salary on house rent. Out of the remaining salary he spent 10% on food. From the balance amount left with him, he spends 50% on EMIs. If his EMI is 7200 Rupees, what is his monthly salary?
 A) 20000 B) 30000 C) 40000 D) 50000
82. A invests Rs. 5000 for 3 years in a bank that offers 8% simple interest per annum. B invests Rs. 8000 for 3 years in another bank that offers 10% simple interest per annum. What is the difference in the interest they receive after 3 years?
 A) Rs.1400 B) Rs.1500 C) Rs.1600 D) Rs.1200
83. Average rainfall in a place for the month of January, February, March, April, May and June were 12 cm, 15 cm, 18 cm, 16 cm, 25 cm & 20 cm respectively. What should be the total rainfall for the next 6 months so that the average rainfall in a month is 12 cm?
 A) 15 B) 30 C) 38 D) 40
84. A person covers two-third of the total distance at 30 km/hr and the remaining at 15 km/hr. What is his average speed after the entire journey?
 A) 25 B) 18 C) 20 D) 22
85. 10 years ago, the ratio of age of father to son was 7:4. Ten years from now their age will be in the ratio 3:2. What is the ratio of their present age?
 A) 7:6 B) 8:5 C) 9:7 D) 9:5
86. A bag contains Rs 600 in the form of one rupee, 50 paise and 25 paise coins in the ratio of 3:4:12. Find the total value (in Rs) of the 25 paise coins present in the bag.
 A) Rs. 250 B) Rs. 275 C) Rs. 225 D) Rs. 300
87. Find the missing numbers in the correct order 2, 3, 5, 7, ____, ____, 17, 19.
 A) 13, 11 B) 11, 13 C) 9, 11 D) 11, 9
88. If $a:b = 5:2$, $b:c = 4:7$, $c:d = 1:2$, what is the value of $(a+b) : (c+d)$?
 A) 2:5 B) 2:3 C) 1:3 D) 3:2
89. Two pipes X and Y can independently fill a cistern in 20 minutes and 25 minutes respectively. Both are opened together for 5 minutes, after which Y is turned off. How much more time will the cistern take to fill?
 A) 11 min B) 16 min C) 20 min D) 24 min

90. If $572a32$ is divisible by 17, then what is the value of a ?
 A) 3 B) 1 C) 6 D) 8
91. The ratio of boys and girls in the class is 6:5. When 3 boys leave the class and 3 girls newly join the class, the number of boys and girls become the same. What is the total number of students in the class now?
 A) 77 B) 66 C) 55 D) 44
92. In an election involving 2 candidates A and B, A secured 84% of the total votes polled and won by a margin of 476 votes. If there are no invalid votes, how many voters are there?
 A) 700 B) 800 C) 900 D) 1000
93. A number N when divided by 5 leaves remainder 3. What could be the remainder when $2N$ is divided by 5?
 A) 3 B) 2 C) 1 D) 0
94. How many numbers from 1 to 100 (both included) are divided by both 3 and 5?
 A) 7 B) 8 C) 9 D) 6
95. Identify the odd one:
 A) 35 B) 21 C) 77 D) 15
96. In a farm, there are some pigeons and rabbits. If all the legs are counted, there are 56 legs. If heads are counted there are 18 heads. Find the number of rabbits?
 A) 10 B) 15 C) 20 D) 12
97. If in a certain code, SEPTEMBER is written as RFOUDNAFQ. How will the word NOVEMBER be written in that code language?
 A) MPUFLCDS B) MNWDLFPR
 C) MPVENDET D) MPUFNESD
98. Which of the following is **not** a leap year?
 A) 1600 AD B) 700 A D C) 2000 A D D) 800 A D
99. The angle between the minute hand and the hour hand of a clock when the time is 8.30 is:
 A) 30° B) 60° C) 75° D) 45°
100. Which of the following letters would come next in the series of letters?
 Z, W, R, K, __.
 A) C B) D C) B D) A